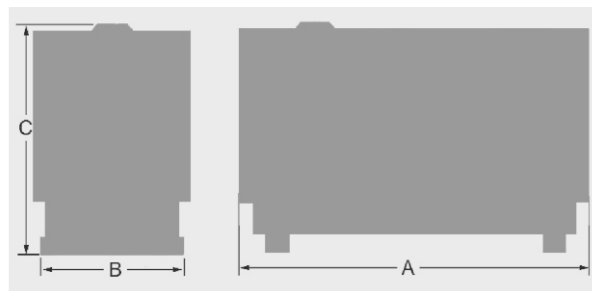




DGY **Prime Power** **Diesel Generators**



Dayliff DGY generators are robust, high quality units designed for continuous duty in a wide range of power supply applications. All sets offer the following features:-

- Powered by dependable and efficient Dayliff Y Series water cooled diesel engines with 12V starter system the for small sizes and 24V starter systems for 30kVA and above
- Close coupled at 1500rpm to a brushless single bearing alternator with solid state AVR regulation.
- Base frame mounted on anti-vibration mounts and including a high capacity base mounted fuel tank for extended operation time.
- Powder coated sound and weather proof canopies with residential silencer for extremely low noise operation.
- Integral DSE digital control module that provides selectable readout of electrical voltage, phase current, output frequency and battery voltage and engine speed, hours run, oil pressure and coolant temperature.
- Automatic shut down protection in the event of low engine oil pressure, high engine temperature and over and under speed with warning indicators provided for each condition.
- Digital automatic mains failure provision for starting the generator. An additional automatic transfer switch is also required for mains/generator power transfer.

Dayliff DGY Yanan diesel generators are reliable economical and high specification products that are the ideal solution for all continuous duty and standby power generating requirements.

TECHNICAL DATA

GENERATOR MODEL		DGY 7Y	DGY 12YM	DGY 12Y	DGY 16Y	DGY 24Y	DGY 36Y	DGY 48Y	DGY 60Y	
Prime/Standby Power Output	kVA	9/10	12/13	15/17	20/22	30/33	45/50	60/66	75/83	
	kW	7/8	12/13		16/18	24/26	36/40	48/53	60/66	
Engine Data	Type	YD380D	YND 485D		YSD490D	Y4102D	Y4102ZLD	YD4EZLD	YD4110ZLD	
	Rated Power @ 1500rpm (kW)	11	17		20	33	48	63	76.7	
	Max Power @ 1500rpm (kW)	12	18.7		22	36.3	52.8	69.3	80.7	
	Aspiration	Naturally Aspirated					Turbo Aftercooled			
	No. of cylinders	3	4							
	Displacement (L)	1.4	2.2		2.5	3.9		4.3		
	Fuel Consumption (litres/hr)	75% load	2.5	3.8		4.4	6.9	9.7	12.4	16.3
		100% load	3.3	5		5.8	9.2	12.9	16.5	20.9
Fuel Tank Size (litres)		100			150				160	
Alternator Data	Alternator Type	Self excited 4 pole (1500rpm) single bearing, brushless								
	Output Voltage	3x400V	1x240V	3x400V						
	Voltage Regulation	Solid state AVR±1.0% with 4% engine governing								
	Insulation Class	H								
	Protection Rating	IP21								
Dimensions & Weights	Length, A (mm)	1800			1900	2300			2400	
	Width, B (mm)	1000				1100				
	Height, C (mm)	1180				1240			1280	
	Dry Weight (kgs)	770	800		860	1070	1230	1260	1390	

DERATING: Given outputs are sea level ratings. Sets should be derated at 1% for every 100m higher than 100m above sea level, and 2% for every 5°C temperature above 20°C for naturally aspirated engines.